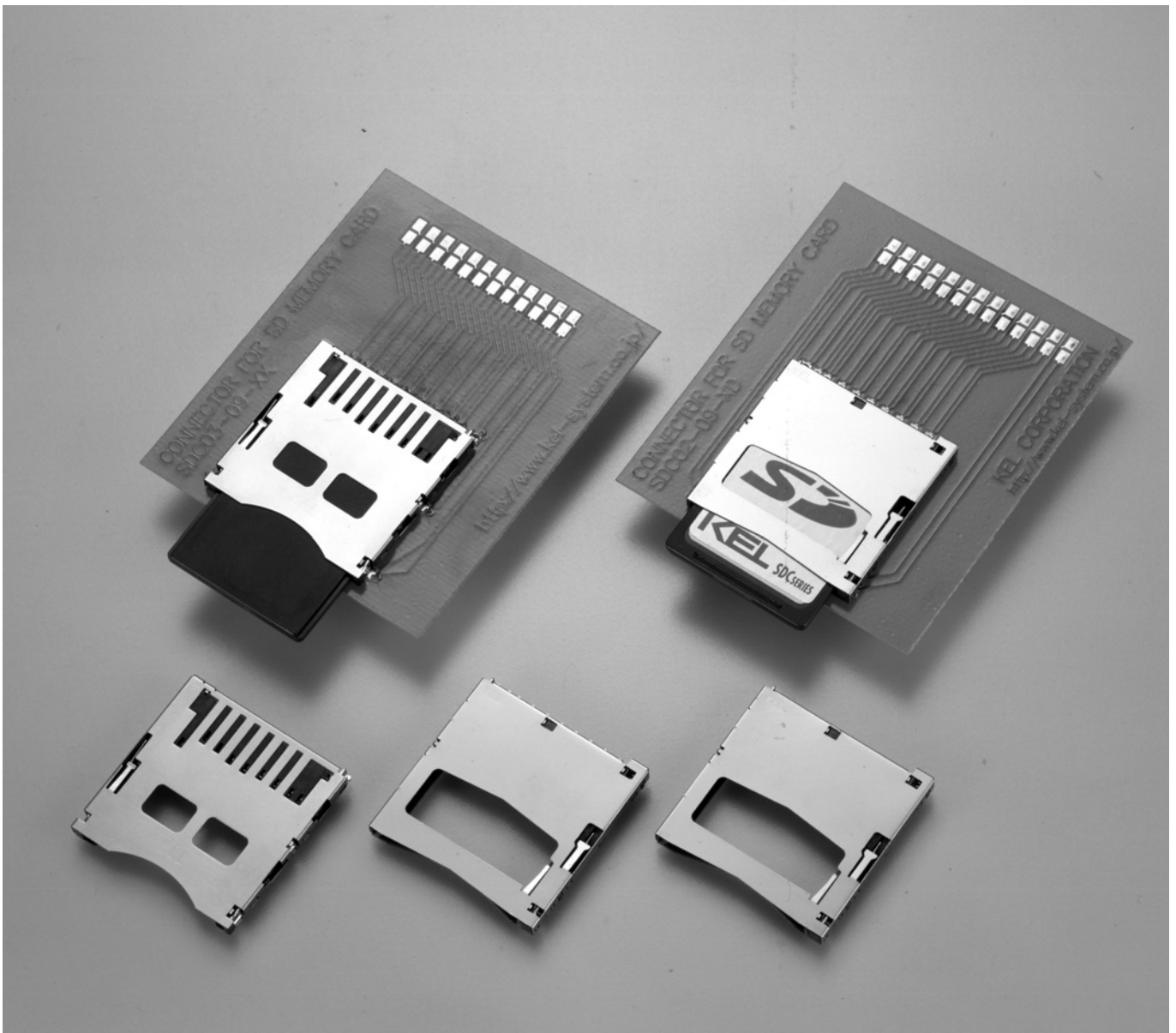
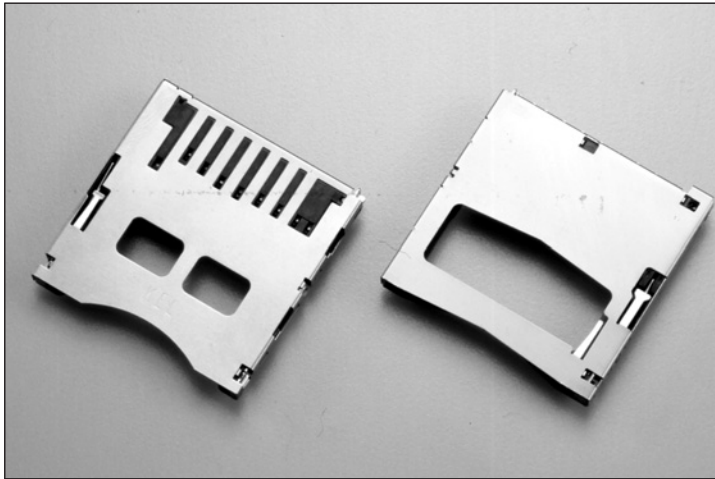


**Connector for SD (Secure digital) Card  
Push-In / Out Ejector Type  
Conforms to SD Association standards**

# **SDC02/03 SERIES**





### ORDER CODE

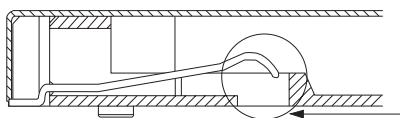
**SDC** **-09-** **D**

- Plating of contact area  
D : Au 0.25μm min.
- Positioning post type  
0 : Without positioning posts  
1 : 0.35mm length
- Number of contacts  
09 : 9pin
- Type  
02 : Normal mounting type  
03 : Reverse mounting type
- Series name  
SDC : Connector for SD card  
(Push-In/Out ejector type)

### RIBBED CONTACT PROTECTION STRUCTURE

SDC Series maintains a position where the tip of the contact area is surrounded by mould. It is structured so as to prevent shorts and/or pin buckling which may happen during insertion/removal.

Connector Cross Section



### FEATURES

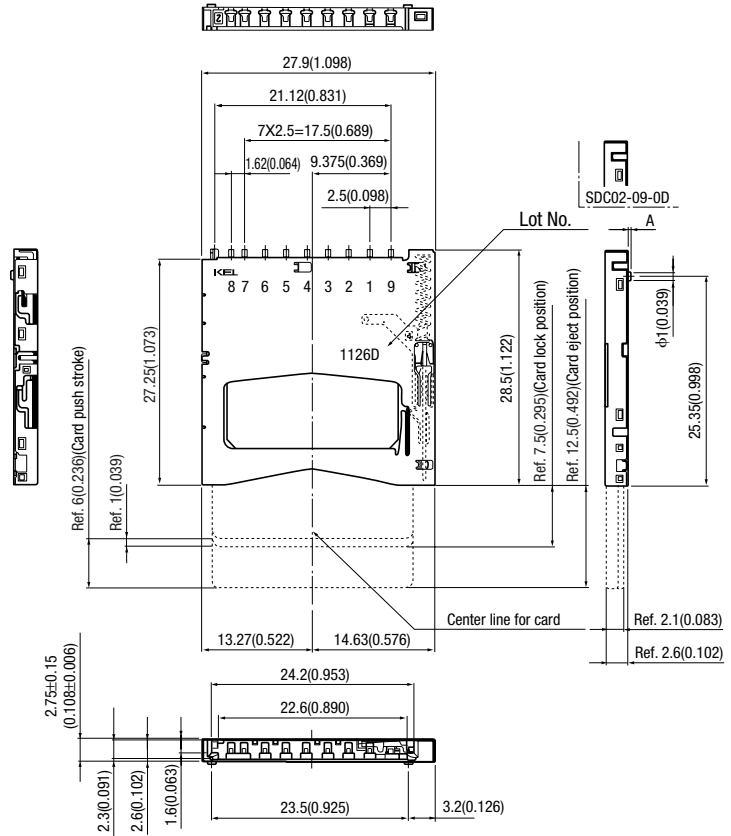
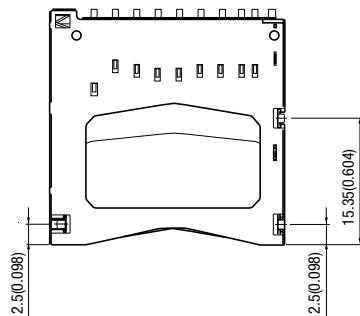
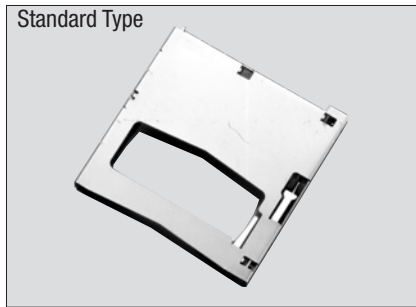
- Conforms to SD Association standards
- The Push-In/Out mechanism has an audible "click" that assures users of complete card insertion/removal
- Ultra low profile at 27.9(W) X 28.5(L) X 2.75(H) mm (2.65(H) for the reverse type), including pin length
- A ribbed contact protection structure prevents pin buckling
- A simple lock mechanism prevents accidental fall-off, while a half-lock mechanism prevents card removal through operator error
- Retention clips with ESD (Electrostatic Discharge) function prevent Card pop-out during removal
- Earth shell specifications for EMI measures
- The write protection and card detection switch are standard equipment
- Designed to prevent the incorrect insertion of Card
- The 2 variations of positioning posts are available for PCB thickness and automatic placement machine (0.35mm length and no positioning post)
- The connector has a large suction area to provide support for automatic placement
- Supports for Multi Media cards (Can read and write)

### SPECIFICATIONS

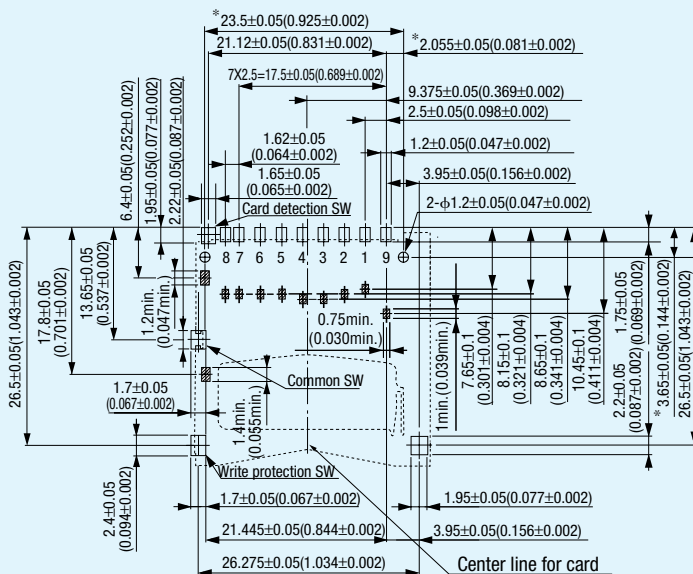
- Insulator material : Glass-filled LCP (UL 94V-0), Black
- Slide cam material : Glass-filled PPS (UL 94V-0), Black
- Contact/Switch material : Phosphor Bronze
- Switch plating : Gold over Nickel (Contact area)  
: Tin alloy over Nickel (Terminal area)
- Shell material : Stainless steel
- Retention clip material : Phosphor Bronze
- Retention clip plating : Tin alloy over Nickel
- Shell Material : Stainless steel
- Current rating : 0.5A per contact
- Contact resistance : 100mΩ max.
- Dielectric withstanding voltage : 500V AC for 1 minute
- Insulation resistance : 1000MΩ min. at 500V DC
- Push-In/Out durability : 10,000 repetitions
- Operating temperature : -25 °C to +85 °C

# SDC02-09-□D (Standard Type)

Unit:mm(inch)



## Printed Circuit Board Layout (Component Side View)



Diagonal line: Pattern prohibition area  
\*: Apply for SDC02-09-1D only

## Product Table/Dimensions

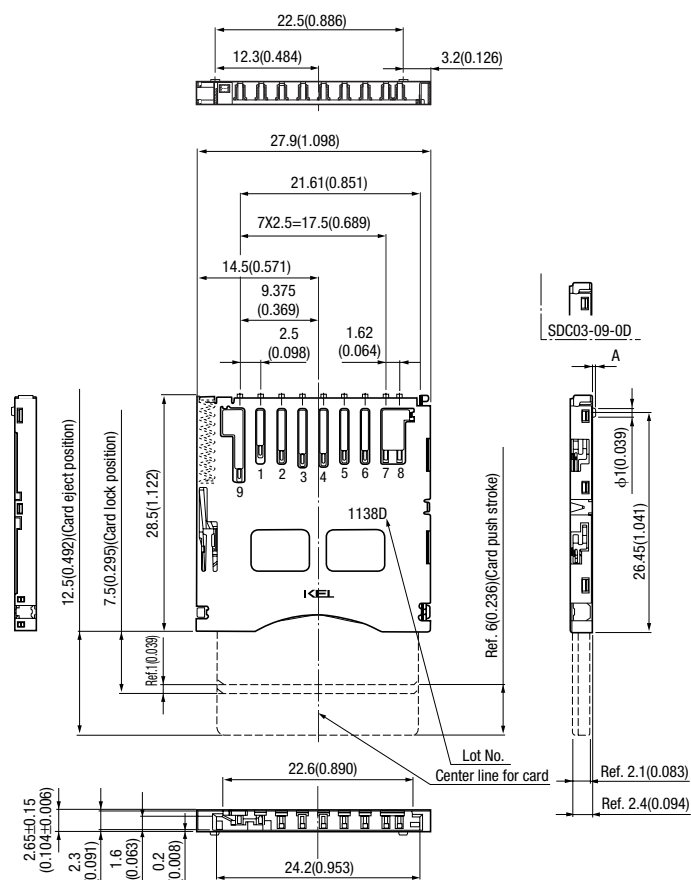
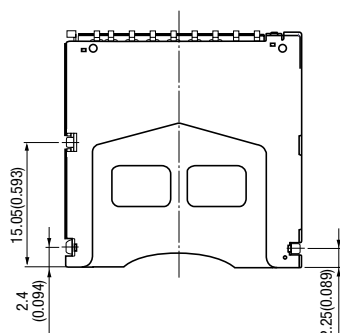
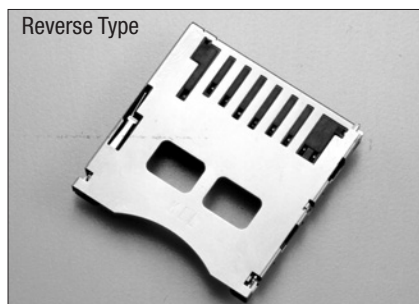
Part Number	A
SDC02-09-0D	0
SDC02-09-1D	0.35 (0.014)

## Switch Mechanism

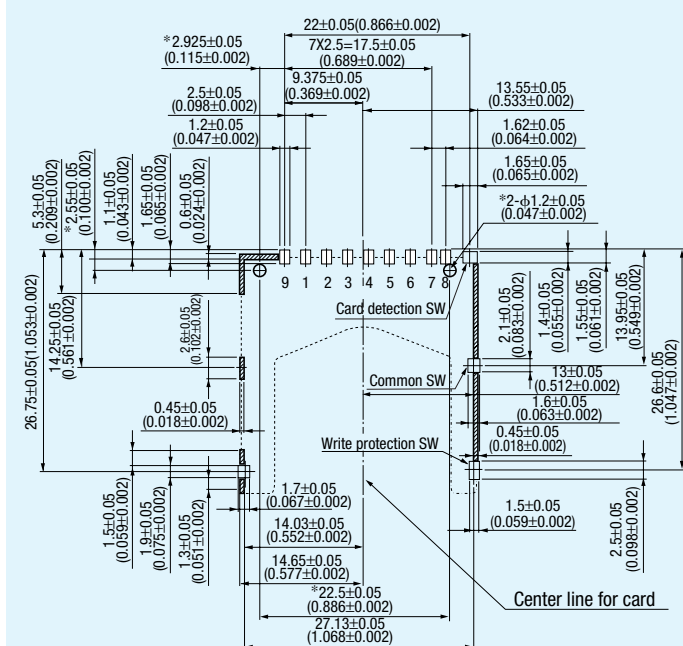
Condition	Write Protection SW and Common SW	Card detection SW and Common SW
Without IC card	ON	ON
With IC card and "Write Enable" position in card	ON	OFF
With IC card and "Write Protect" position in card	OFF	OFF

## SDC03-09-□D (Reverse Type)

Unit:mm(inch)



### Printed Circuit Board Layout (Component Side View)



Diagonal line: Pattern prohibition area  
\*: Apply for SDC03-09-1D only

## ■Product Table/Dimensions

Part Number	A
SDC03-09-0D	0
SDC03-09-1D	0.35

### ■ Switch Mechanism

Condition	Write Protection SW and Common SW	Card detection SW and Common SW
Without IC card	ON	ON
With IC card and "Write Enable" position in card	ON	OFF
With IC card and "Write Protect" position in card	OFF	OFF

Specifications and dimensions are subject to change without notice.